Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per: \_\_\_\_\_\_

HW#140: Find Arc LENGTH

Geometry

Due Date: Thursday, April 23, 2015

**Failure to show all work (mark up all diagrams and write out needed formulas) and/or write in complete sentences will result in LaSalle.**

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|  | 6) The minute hand and the hour hands on a clock originate at the center of the clock and reach to the outer edge of the clock. The diameter of the clock is 12 inches. When it is 3:00 pm, what is the length of the arc created by the minute hand and the hour hand? |
|  | 8) Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters. |

GRASP REVIEW!

A line passes through the points (-3, -4) and (5, 12). What is the equation of the line that is perpenduclar to this line and passes through the midpoint of the two points?

1. What does perpendicular mean?
2. What is the formula for midpoint?

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